

# TEST REPORT

**Product Name** : LED Bulb T2

**Model Number** : LB-L03E, LB-L03D

Prepared for  
Address : Lumi United Technology Co., Ltd.  
Room 801-804, Building 1, Chongwen Park, Nanshan  
iPark, No. 3370, Liuxian Avenue, Fuguang Community,  
Taoyuan Residential District, Nanshan District, Shenzhen,  
China

Prepared by  
Address : EMTEK (DONGGUAN) CO, LTD.  
-1&2/F.,Building 2, Zone A, Zhongda Marine Biotechnology  
Research and Development Base, No.9, Xincheng Avenue,  
Songshanlu High-technology Industrial Development Zone,  
Dongguan, Guangdong, China

TEL: +86-0769-22807078  
FAX: +86-0769-22807079

Report Number : EDG2407300092E02303R  
Date(s) of Tests : August 01, 2024 to November 23, 2024  
Date of issue : November 23, 2024



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## TEST REPORT DESCRIPTION

Applicant : Lumi United Technology Co., Ltd.  
 Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China

Manufacturer : Lumi United Technology Co., Ltd.  
 Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China

Trade Mark : Aqara

EUT : LED Bulb T2

Model Number : LB-L03E, LB-L03D

Power Supply : AC 100-240V, 50/60Hz

Test Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
EN 62479: 2010, EN50663:2017	PASS
AS/NZS 2772.2:2016 Amd 1:2018	PASS

EN 62479: 2010, EN 50663:2017, Assessment of the compliance of the low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10MHz to 300GHz)

The device described above is tested by EMTEK (DONGGUAN) CO, LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report shows the EUT to be technically compliant with the EN 62479: 2010 requirements.

The test results are contained in this report and EMTEK (DONGGUAN) CO, LTD. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (DONGGUAN) CO, LTD.

Date of Test :

August 01, 2024 to November 23, 2024

Prepared by :

Warren Deng

Warren Deng /Editor

Reviewer :

Galen Xiao /Supervisor



Sam Lv /Manager

Approve & Authorized Signer :

## Modified Information

Version	Report No.	Revision Date	Summary
	EDG2407300092E02303R	/	Original Report

## 1. GENERAL INFORMATION

### 1.1 DESCRIPTION OF DEVICE (EUT)

EUT	: LED Bulb T2
Model Number	: LB-L03E, LB-L03D Model LB-103D is CCT+RGB, while model LB-103D is CCT. All models are the same, except the model name, Color temperature and number of lamp beads. Here, LB-L03D is selected to test all the test items.
Power supply	: AC 100-240V, 50/60Hz
Applicant	: Lumi United Technology Co., Ltd.
Address	: Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China
Manufacturer	: Lumi United Technology Co., Ltd.
Address	: Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China
Date of Test	: August 01, 2024 to November 23, 2024

*Note: for more details, please refer to the User's manual of the EUT.*

## 1.2 TEST FACILITY

### Site Description

EMC Lab.

#### : Accredited by CNAS

The Laboratory has been assessed and proved to be in compliance with

CNAS-CL01:2018

The Certificate Registration Number is L3150

#### **Accredited by FCC**

Designation Number: CN1300

Test Firm Registration Number: 945551

#### **Accredited by A2LA**

The Certificate Registration Number is 4321.02

#### **Accredited by Industry Canada**

The Certificate Registration Number is CN0113

Name of Firm

: EMTEK (DONGGUAN) CO., LTD.

Site Location

: -1&2/F., Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshanlu High-technology Industrial Development Zone, Dongguan, Guangdong, China

## 2. GENERAL PRODUCT INFORMATION

### 2.1 Product Function and Intended Use

The submitted sample is wireless transceiver includes transmitter and receiver.

### 2.2 Ratings and System Details

	Transceiver
Frequency Range:	2400-2483.5MHz
Modulation:	GFSK for BLE O-QPSK for Zigbee & thread
Number of Channels:	40 channels for BLE 16 channels for Zigbee & thread
Antenna:	FPC antenna
Antenna Gain:	1.78 dBi
Transmit Power(MAX):	9.05 dBm for BLE 6.42 dBm for Zigbee & thread

## 3. TEST RESULTS

### 3.1 Compliance criteria

MAX power: 8.035 mW,

Result:	Pass
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From results of report EDG2406270030E01101R can be assumed that the compliance criteria is Fulfilled (max radiated power is less than 20mW, MAX power :8.035 mW). The assumption is made with an uncertainty of 3%.

\*EN 62479:2010 4.1(D) & 4.2

Measurements or calculations show that available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2 (P max: 20mW)

\*\*\* End of Report \*\*\*

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